

DECLARATION AND PETITION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled TELEPHONIC-INTERFACE GAME CONTROL SYSTEM, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: None.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37,

00340610-00000

<u>335,923</u>	<u>April 10, 1989</u>	<u>Pending</u>
Application Serial No.	Filing Date	Status
<u>4,845,739</u>	<u>July 4, 1989</u>	
U.S. Patent No.	Issued	
<u>4,792,968</u>	<u>December 20, 1988</u>	
U.S. Patent No.	Issued	
<u>753,299</u>	<u>July 10, 1985</u>	<u>Abandoned</u>
Application Serial No.	Filing Date	Status

Wherefore I pray that Letters Patent be granted to me for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration and petition.

Inventor's signature: [Signature]  
Date: 5/24/90  
Residence: Los Angeles, California  
Citizenship: U.S.A.  
Post Office Address: 570 South Mapleton Drive  
Los Angeles, California 90024

POWER OF ATTORNEY BY ASSIGNEE

Commissioner of Patents  
and Trademarks  
Washington, D. C. 20231

Sir:

I, Aldo Tesi, Executive Vice President of  
FIRST DATA RESOURCES INC., a corporation of the State of  
Delaware and assignee of the entire right, title and  
interest in the application for United States Letters  
Patent entitled TELEPHONIC-INTERFACE GAME CONTROL SYSTEM  
and executed May 24, 1990 with inventor Ronald A.  
Katz, hereby appoint:

<u>Attorney</u>	<u>Registration No.</u>
Byard G. Nilsson	17,350
Billy A. Robbins	18,313
Lewis M. Dalgarn	20,415
Robert Berliner	20,121
M. John Carson	25,090
Harold E. Wurst	22,183
Michael S. Elkind	28,710
Gregory B. Wood	28,133
Robert A. Green	28,301
Mark E. Garscia	31,953
John P. Spitals	29,215
Jeffrey F. Craft	30,044
Georgann S. Grunebach	33,179

all attorneys of the law firm of Nilsson, Robbins,  
Dalgarn, Berliner, Carson & Wurst, Fifth Floor, 201  
North Figueroa Street, Los Angeles, California 90012-  
2628, as attorneys of said corporation with full powers  
of substitution and revocation to prosecute this appli-  
cation and to transact all business in the United States  
Patent and Trademark Office in connection therewith.

Figure 10 shows the results of the 1000 iterations of the MCMC algorithm. The results are presented in the form of a trace plot, a mean plot, and a histogram. The trace plot shows the values of the parameters over the 1000 iterations. The mean plot shows the mean values of the parameters over the 1000 iterations. The histogram shows the distribution of the parameters over the 1000 iterations.

Telephone (213) 977-1001

By: Aldo Tesi  
Aldo Tesi  
Executive Vice President

Attorney Docket No. 4646-130

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ronald A. Katz )  
Serial No.: 08/073,585 ) Examiner: T. Brown  
Filed: June 7, 1993 ) Art Unit: 2601  
For: TELEPHONIC-INTERFACE GAME )  
CONTROL SYSTEM )  
New Docket No.: 6646-130N1 )  
(Previous Docket No.: 4646-130N) )

POWER OF ATTORNEY BY ASSIGNEE

Commissioner of Patents  
and Trademarks  
Washington, D. C. 20231

Sir:

I, Ronald A. Katz, am the President of A2D Corporation, a California corporation, which corporation is a general partner of A2D, L.P., a California limited partnership, which limited partnership is a general partner of RONALD A. KATZ TECHNOLOGY LICENSING, L.P., a California limited partnership and assignee of the entire right, title and interest in the application for United States Letters Patent entitled TELEPHONIC-INTERFACE GAME CONTROL SYSTEM, and am authorized to sign on its behalf.

The Assignment of this application to RONALD A. KATZ TECHNOLOGY LICENSING, L.P., has been submitted to the Assignment Branch and was received on September 26, 1994.

I have reviewed the foregoing document and hereby certify that, to the best of my knowledge and belief, title to the

subject matter of this patent application is in RONALD A. KATZ  
TECHNOLOGY LICENSING, L.P.

I hereby appoint: Byard G. Nilsson, Reg. No. 17,350, Harold  
E. Wurst, Reg. No. 22,183, Robert A. Green, Reg. No. 28,301, Anne  
Wang, Reg. No. 36,045, all members of the bar of one or more  
states, Reena Kuyper, Patent Agent, Reg. No. 33,830, all of the  
law firm of Nilsson, Wurst & Green, 707 Wilshire Blvd., 32nd  
Floor, Los Angeles, California 90017; and Thomas J. Lannon,  
Registration No. 18,417, 105 Whittier St., NW, Washington, DC  
20012, to prosecute this application and to transact all business  
in the United States Patent and Trademark Office in connection  
therewith.

Please send all correspondence to:

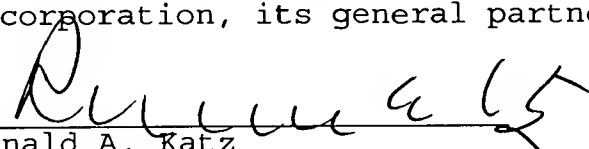
NILSSON, WURST & GREEN  
707 Wilshire Blvd., 32nd Floor  
Los Angeles, California 90017  
U.S.A.

Telephone (213) 243-8000

RONALD A. KATZ TECHNOLOGY  
LICENSING, L.P., a California limited  
partnership,

By: A2D, L.P., a California limited  
partnership, its general partner

By: A2D Corporation, a California  
corporation, its general partner

By:   
Ronald A. Katz  
President,  
A2D Corporation

Attorney Docket No. 6646-130N1

6646-130N1.poa

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Group Art Unit: 2601  
)  
Ronald A. Katz ) Examiner: T. Brown  
)  
Serial No. 08/559,538 )  
)  
Filed: November 16, 1995 )  
)  
For: TELEPHONIC-INTERFACE GAME )  
CONTROL SYSTEM )  
)  
Dkt. No.: 228/068 )  
(previous dkt. nos. 9002-1B670USH and 6646-130N3) )  
)

REVOCATION AND GRANT OF POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

All powers of attorney granted before are revoked.

I, Ronald A. Katz, am the president of A2D Corporation, a California corporation, which corporation is a general partner of A2D, L.P. a California limited partnership, which limited partnership is a general partner of RONALD A. KATZ TECHNOLOGY LICENSING, L.P., a California limited partnership, the assignee owning all of the interest in this application, and by virtue of the foregoing relationships I execute this document on its behalf to appoint as its attorneys and representatives, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office

00340618 062299

connected with it, David B. Murphy, Reg. No. 31,125, and Reena Kuyper, Reg. No. 33,830  
(registered patent agent); and

Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467;  
James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848;  
Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798;  
Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard  
E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773;  
William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J.  
Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James  
H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W.  
Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David  
Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M.  
Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B.  
Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr.,  
Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi,  
Reg. No. 32,212; Lois M. Kwasigroch, Reg. No. 35,579; Robert C.  
Laurenson, Reg. No. 34,206; Carol A. Schneider, Reg. No. 34,923; Hope E.  
Melville, Reg. No. 34,874; Michael J. Wise, Reg. No. 34,047; and Richard J.  
Warburg, Reg. No. 32,327;

all of LYON & LYON, First Interstate World Center, 633 West Fifth Street, Suite 4700,  
Los Angeles, California 90071-2066, telephone: (213) 489-1600.

The Assignment of this application to RONALD A. KATZ TECHNOLOGY  
LICENSING, L.P., was recorded on September 26, 1994, on Reel 7133, Frames 95-100.

Also, I have reviewed the assignment documents and hereby certify that, to the best  
of my knowledge and belief, title to the subject matter of this application is with

RONALD A. KATZ TECHNOLOGY LICENSING, L.P.

Date: 9/16/97 By: [Signature]

Ronald A. Katz  
President  
A2D Corporation



09-13/94

12:55

PTO 308

PTO/STATUS BR.

0002

FORM PTO-1505  
(Rev. 8-23)

OMB No. 0651-0011 (exp. 4/94)

RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark

Tab settings 000

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

FIRST DATA RESOURCES INC.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: September 17, 1994

## 2. Name and address of receiving party(ies)

Name: RONALD A. KATZ TECHNOLOGY LICENSING,

Internal Address:

Street Address: 9401 Wilshire Boulevard

Suite 800

City: Beverly Hills State: CA ZIP: 90212

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s)

See attachment

B. Patent No.(s)

See attachment

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Byde W. Clawson

Internal Address:

McCutchen, Doyle, Brown &amp; Enersen

Street Address: 55 South Market Street

Suite 1500

City: San Jose State: CA ZIP: 95113

## 6. Total number of applications and patents involved:

35

## 7. Total fee (37 CFR 3.41): \$ 1400.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

170 KJ 09/27/94 4071698

DO NOT USE THIS SPACE

2 581 1,400.00 CK

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Byde W. Clawson

Name of Person Signing

Signature

Total number of pages including cover sheet, attachments, and document:

11

Date

ML

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 202319-23-94  
9185-6513  
9.1

# ATTACHMENT TO RECORDATION FORM COVER SHEET

Conveying Party: First Data Resources Inc.  
 Receiving Party: Ronald A. Katz Technology Licensing, L.P.  
 Nature of Conveyance: Assignment

## Continuation of Item 4

### Issued Patents

#### UNITED STATES

Patent No.	Title	Issued	Attorney Docket
4,071,698	Telephone system for Audio Demonstration and Marketing of Goods or Services	1/31/1978	4646-117 (Expired)
4,792,968	Statistical Analysis System for Use With Public Communication Facility	12/20/1988	4646-101C
4,845,739	Telephonic-Interface Statistical Analysis System	7/4/1989	4646-101C2
4,930,150	Telephonic Interface Control System	5/29/1990	4646-108
4,932,046	Telephone Programming System for Automated Calling	6/5/1990	4646-124
4,939,773	Multiple Party Telephone Control System	7/3/1990	4646-119
4,975,945	Universal Telephone Call Relay System	12/4/1990	4646-122

REEL 7133 FRAME 91

4,987,590	Multiple Party Telephone Control System	1/22/1991	4646-119N
5,014,298	Voice-Data Telephonic Control System	5/7/1991	4646-114C2
5,016,270	Expanded Telephone Data Organization System	5/14/1991	4646-116
5,048,075	Telephonic-Interface Statistical Analysis System	9/10/1991	4646-101N3
5,073,929	Voice-Data Telephonic Control System	12/17/1991	4646-114
5,091,933	Multiple Party Telephone Control System	2/25/1992	4646-119N2
5,109,404	Telephone Call Processor With Select Call Routing	4/28/1992	4646-129
5,128,984	Telephone Interface Call Processing System With Call Selectivity	7/7/1992	4646-114C
5,185,787	Multiple Party Telephone Control System With Random Dialing for Polling	2/9/1993	4646-119N3
5,218,631	Telephonic-Interface Game Control System	6/8/1993	4646-130
5,224,153	Voice-Data Telephonic Interface Control System	6/29/1993	4646-114C3
5,251,252	Telephone Interface Call Processing System With Call Selectivity	10/5/1993	4646-114CN

REEL 1133 FRMO 92

5,255,309	Telephonic-Interface Statistical Analysis System	10/19/1993	4646-101NA
5,259,023	Telephonic-Interface Statistical Analysis System	11/2/1993	4646-101NB
5,297,197	Multiple Party Telephone Control System	3/22/1994	4646-119114
5,349,633	Telephonic-Interface Game Control System	9/20/1994	4646-130N2
5,351,285	Multiple Format Telephonic Interface Control System	9/27/1994	4646-108CN

Pending Patent Applications

UNITED STATES

Serial No.	Title	Filing Date	Attorney Docket
07/335,923	Telephonic-Interface Statistical Analysis System	4/10/1989	4646-101N
07/640,337	Telephonic-Interface Statistical Analysis System	1/11/1991	4646-101N4
07/756,956	Telephonic-Interface Lottery System	9/9/1991	4646-101C3 (Allowed)
08/058,452	Voice-Data Telephonic Interface Control System	5/7/1993	4646-114C4 (Allowed)
08/073,585	Telephonic-Interface Game Control System	6/7/1993	4646-130N

REEL 133 FRAME 93

08/132,062	Telephone Interface Call Processing System With Call Selectivity	10/4/1993	4646-114N1
08/139,307	Telephonic-Interface Statistical Analysis System	10/18/1993	4646-101NC
not yet assigned	Telephonic-Interface Lottery System	9/13/1994	4646-101D4
not yet assigned	Multiple Format Telephonic Interface Control System	9/14/1994	4646-108N3
not yet assigned	Voice-Data Telephonic Interface Control System	9/14/1994	4646-114N5
not yet assigned	Telephonic-Interface Lottery System	9/14/1994	4646-101N5

REL 133 MAR 09 4

## ASSIGNMENT OF PATENT RIGHTS

WHEREAS, FIRST DATA RESOURCES INC., a Delaware corporation ("FDR"), having a place of business at 2301 North 117th Avenue, Omaha, Nebraska 68164, is the assignee of certain patents and patent rights of record in the United States Patent and Trademark Office, herein collectively called the ASSIGNED PATENT RIGHTS, as follows:

### Issued Patents

Patent No.	Title	Issued	Attorney Docket
4,071,698	Telephone system for Audio Demonstration and Marketing of Goods or Services	1/31/1978	4646-117 (Expired)
4,792,968	Statistical Analysis System for Use With Public Communication Facility	12/20/1988	4646-101C
4,845,739	Telephonic-Interface Statistical Analysis System	7/4/1989	4646-101C2
4,930,150	Telephonic Interface Control System	5/29/1990	4646-108
4,932,046	Telephone Programming System for Automated Calling	6/5/1990	4646-124
4,939,773	Multiple Party Telephone Control System	7/3/1990	4646-119
✓ 4,975,945	Universal Telephone Call Relay System	12/4/1990	4646-122
4,987,590	Multiple Party Telephone Control System	1/22/1991	4646-119N

REEL 133 FRAME 95

5,014,298	Voice-Data Telephonic Control System	5/7/1991	4646-114C2
5,016,270	Expanded Telephone Data Organization System	5/14/1991	4646-116
5,048,075	Telephonic-Interface Statistical Analysis System	9/10/1991	4646-101N3
5,073,929	Voice-Data Telephonic Control System	12/17/1991	4646-114
5,091,933	Multiple Party Telephone Control System	2/25/1992	4646-119N2
5,109,404	Telephone Call Processor With Select Call Routing	4/28/1992	4646-129
5,128,984	Telephone Interface Call Processing System With Call Selectivity	7/7/1992	4646-114C
5,185,787	Multiple Party Telephone Control System With Random Dialing for Polling	2/9/1993	4646-119N3
✓ 5,218,631	Telephonic-Interface Game Control System	6/8/1993	4646-130
5,224,153	Voice-Data Telephonic Interface Control System	6/29/1993	4646-114C3
5,251,252	Telephone Interface Call Processing System With Call Selectivity	10/5/1993	4646-114CN
5,255,309	Telephonic-Interface Statistical Analysis System	10/19/1993	4646-101NA

REF 1133 FRAME 096



5,259,023	Telephonic-Interface Statistical Analysis System	11/2/1993	4646-101NB
5,297,197	Multiple Party Telephone Control System	3/22/1994	4646-119N4
5,349,633	Telephonic-Interface Game Control System	9/20/1994	4646-130N2
5,351,285	Multiple Format Telephonic Interface Control System	9/27/1994	4646-108CN

# Pending Patent Applications

Serial No.	Title	Filing Date	Attorney Docket
07/335,923	Telephonic-Interface Statistical Analysis System	4/10/1989	4646-101N
07/640,337	Telephonic-Interface Statistical Analysis System	1/11/1991	4646-101N4
07/756,956	Telephonic-Interface Lottery System	9/9/1991	4646-101C3 (Allowed)
08/058,452	Voico-Data Telephonic Interface Control System	5/7/1993	4646-114C4 (Allowed)
08/073,585	Telephonic-Interface Game Control System	6/7/1993	4646-130N
08/132,062	Telephone Interface Call Processing System With Call Selectivity	10/4/1993	4646-114N1

REEL 133 FRAME 91



08/139,307	Telephonic-Interface Statistical Analysis System	10/18/1993	4646-101NC
not yet assigned	Telephonic-Interface Lottery System	9/13/1994	4646-101D4
not yet assigned	Multiple Format Telephonic Interface Control System	9/14/1994	4646-108N3
not yet assigned	Voice-Data Telephonic Interface Control System	9/14/1994	4646-114N5
not yet assigned	Telephonic-Interface Lottery System	9/14/1994	4646-101N5

WHEREAS, FDR desires to contribute to the capital of RONALD A. KATZ TECHNOLOGY LICENSING, L.P., a California limited partnership ("PARTNERSHIP"), having a place of business at 9401 Wilshire Boulevard, Suite 800, Beverly Hills, California 90212, all rights of FDR in the ASSIGNED PATENT RIGHTS, subject to certain preexisting licenses;

NOW, THEREFORE, FDR by these presents does hereby contribute, assign, transfer and set over unto PARTNERSHIP, its successors and assigns, the entire and exclusive right, title and interest in and to all inventions in the United States and throughout the world (with priority rights) in and to the ASSIGNED PATENT RIGHTS, and in and to any continuations, continuations-in-part, divisions, reissues, extensions and foreign counterparts of the ASSIGNED PATENT RIGHTS, together with all claims for damages by reason of past infringement of any ASSIGNED PATENT RIGHTS, with the right to sue for and collect the same, but subject to all rights and licenses, exclusive and non-exclusive, which FDR has heretofore granted or agreed to grant under said ASSIGNED PATENT RIGHTS, and FDR further agrees to execute and have executed (to the extent possible) all papers and to perform all acts, without any further consideration and at the cost and expense of FDR, as deemed reasonably necessary to perfect in

REEL 1133 FRAME 98

PARTNERSHIP the foregoing rights, title and interests, including the execution of any related domestic or foreign application documents.

FDR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue the United States Letters Patents resulting from all the applications in the ASSIGNED PATENT RIGHTS to PARTNERSHIP, its successors and assigns.

FIRST DATA RESOURCES INC.,  
a Delaware Corporation

By 

Its

Authorized Signatory

Date

September 17, 1994

REEL 7133 FRAME 99

RECORDED  
PATENT AND TRADEMARK  
OFFICE

ALL PURPOSE ACKNOWLEDGMENT

STATE OF Colorado

COUNTY OF Arapahoe

On 9/17/94 before me, Martie Chedwick, Notary Public,

personally appeared Charles T. Fore  
NAME(S) OF SIGNER(S)

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal.

Martie Chedwick  
SIGNATURE OF NOTARY

SEP 26 1994  
OPTIONAL SECTION  
CAPACITY CLAIMED BY  
SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document.

☐ INDIVIDUAL

☐ CORPORATE OFFICER(S)

TITLE(S)

☐ PARTNER(S) ☐ LIMITED

☐ GENERAL

☐ ATTORNEY-IN-FACT

☐ TRUSTEE(S)

☐ GUARDIAN/CONSERVATOR

☐ OTHER: \_\_\_\_\_

SIGNER IS REPRESENTING:  
Name of Person(s) or Entity(ies)

THIS CERTIFICATE MUST BE ATTACHED TO  
THE DOCUMENT DESCRIBED AT RIGHT:

Though the data requested here is not required by law, it could  
prevent fraudulent attachment of this form.

OPTIONAL SECTION

Title of Type of Document \_\_\_\_\_

Number of Pages \_\_\_\_\_ Date of Document \_\_\_\_\_

Signer(s) Other Than Named Above \_\_\_\_\_

RECORDED  
PATENT AND TRADEMARK  
OFFICE

SEP 26 1994

SEP 19 1994 11:00